## What is claimed is:

- 1. A polyamide obtained by polycondensation of a diamine component containing at least 50 mol% of
- 5 2-methyl-1,5-pentanediamine and a dicarboxylic acid component containing at least 50 mol% of azelaic acid,

comprising the following properties of (1) to (4),

- (1) when a stretched film is polarized in an electric field of 200 MV/m, a remanent polarization is at least 30 mC/m $^2$ ,
- (2) the relative viscosity of a 1g/dl solution of the polyamide in 96 % concentrated sulfuric acid at 25 °C is 1.3 to 5.0,
  - (3) the glass transition temperature, measured with a differential scanning calorimeter, of the polyamide is 80 °C or less and a calorific value at a cooling crystallization exotherm peak is 5J/g or less, and
  - (4) the polyamide is soluble in an amount of at least 5 mass % at 25 °C in at least one member selected from the group consisting of methanol, ethanol and 2-propanol.

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2. The polyamide according to claim 1, wherein the diamine component contains at least 70 mol % of 2-methyl-1,5-pentanediamine and the dicarboxylic acid component contains at least 70 mol% of azelaic acid.

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- 3. The polyamide according to claim 1, wherein the diamine component contains less than 50 mol % of at least one member selected from the group consisting of 1,5-pentanediamine, 1,7-heptanediamine, 1,9-nonanediamine, metaxylylene diamine and 1,3-bis(aminomethyl)cyclohexane.
  - 4. The polyamide according to claim 1,

wherein the dicarboxylic acid component contains less than 50 mol % of at least one member selected from the group consisting of glutaric acid, suberic acid, undecanedioic acid, isophthalic acid and 1,3-cyclohexanedicarboxylic acid.

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5. The polyamide according to claim 1, wherein the diamine component contains at least 90 mol % of 2-methyl-1,5-pentanediamine and the dicarboxylic acid component contains at least 90 mol % of azelaic acid.

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The polyamide according to claim 1, wherein less than 50 mol % of total repeating bond units of the polyamide are obtained by using an amide bond-formable compound.

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- 7. The polyamide according to claim 6, wherein the amino bond-formable compound is at least one selected from the group consisting of  $\delta$ -valerolactam, 5-aminopentane acid, 7-aminoheptane acid, 9-aminononane acid and 11-aminoundecanoic acid.
- 8. The polyamide according to claim 1, wherein the molar ratio of the diamine component and the dicarboxylic acid component is 1:0.9 to 1:1.1.

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9. The polyamide according to claim 1, wherein the dicarboxylic acid component is at least one dicarboxylic acid derivative selected from the group consisting of dicarboxylic acid, a dicarboxylic acid ester, a dicarboxylic acid chloride, an active acyl derivative and dinitrile.

- 10. The polyamide according to claim 1, wherein the diamine component is at least one diamine derivative selected from the group consisting of diamine, N-acetyldiamine, diisocyanate and N-silylated diamine.
- 11. A resin composition containing the polyamide as recited in claim 1 and an electrically conductive material.

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- 12. The resin composition according to claim 11, which has a volume resistivity of  $10^{12}~\Omega\cdot\text{cm}$  or less.
  - 13. The resin composition according to claim 11, wherein the electrically conductive material is an inorganic electrically conductive material or an organic electrically conductive material.
  - 14. The resin composition according to claim 11, which further contains a filler for vibrational energy absorption.
  - 15. The resin composition according to claim 14, wherein the filler is at least one member selected from the group consisting of mica flakes, glass pieces, a glass fiber, a carbon fiber, calcium carbonate, barite and precipitated barium sulfate.